**Informatics, Ch 4, Data Analytics: Presenting the findings**

**Alex Hudson**

1. **Testing, p 232 What is the purpose of testing? List the steps involved.**  Testing makes sure that a solution produces the correct output and does much what the user requests.

**the steps involved:**

Decide which tests will be conducted.

Create suitable test data.

Determine expected results.

Conduct the tests.

Record the actual results.

Correct any results.

1. **List the different testing types.** Alpha, Beta, Component, Integration, System, Installation, Compatibility, Useability, Accessibility.
2. **What constitutes good test data?** Valid Data, Valid but usual data, Invalid data, Boundary condition code.
3. **What areas should be tested in a MMOS?** Media and plugins, Hyperlinks, links to external services (eg Facebook), readability, Calculations, Loading speeds, browsers and screen resolution compatibility, CSS, accessibility, Dynamic Features,

**Testing table, p 235**

1. **What is the purpose of a testing table?** Used to record evidence of functionality testing.

**Evaluation, p 237**

1. **What is the purpose of evaluation as the final stage of the problem-solving methodology?** Checks to see how well the solution is satisfying the user’s needs, for which it was original created for.
2. **Distinguish between evaluation & testing.** Evaluation refers to the overall check to confirm all the requirements of the solution are met, while testing is to purposely check parts of the solution, to make sure they work or not.
3. **When are the evaluation criteria determined? What should they be based on?**  They are typically determined after testing has been done. The evaluation criteria fall under two categories: efficacy and effectiveness. The evaluation should be based on reports by the testing.
4. **Distinguish, with the use of an example, between criteria to evaluate efficiency and effectiveness.**

Efficiency: The speed of accessing webpages depending on device.

Effectiveness: The layout of the website to engage the audience.

**Evaluation methods, p 238**

1. **Distinguish between objective and subjective results?** Objective is fact based, measurable results which cannot be argued against. While subjective are emotions, opinions and personal judgements, people can criticise them and argue with them.
2. **When should a solution be evaluated?** Evaluation should be done when users have provided critical feedback, all testing has been done and all users are familiar with the software.

**Assessing your project plan, p 239**

1. **What type of questions can be answered in evaluating your project plan?** Did your project finish on time? Did the project finish within the budget? What tasks delayed your project? What lessons can be taught for future work?
2. **In evaluating your project plan evaluation criteria are used to indicate how successful it was in managing your activities. What are some of the criteria you can use?** How easy it was to modify the Gantt chart to keep it up to date with reality? Was it easy to see all tasks and their dependencies? Was the chart and its text readable?